

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1 - 7. (Cancelled)

8. (New) An optical transmission device for communicating with a partner device, the optical transmission device comprising:

a transmission unit for converting an electrical signal to an optical signal; and
a light receiving unit for converting a received optical signal to an electrical signal,

wherein the light receiving unit comprises a position detecting photodetector having a plurality of light receiving units divided by parting lines for detecting the direction of incidence of a luminous flux emitted from the partner device,

wherein the shape of a spot of the luminous flux received by the position detecting photodetector has a pattern to satisfy the following relations:

$$L1/L2 > 3 \text{ and } L1 > 2^{1/2}D$$

where $L1$ represents the length of the major axis of the linearly elongated spot shape, $L2$ represents the length of the minor axis of the linearly elongated spot shape, and D represents the width of the parting lines, and

wherein the parting lines intersect with the major axis of the linearly elongated spot shape at an angle.

9. (New) The optical transmission device according to claim 8, wherein the shape of a spot of the luminous flux is a cross pattern in which at least two of the patterns overlap with each other.

10. (New) The optical transmission device according to claim 8, wherein the cross pattern is formed by a cross pattern filter.

11. (New) The optical transmission device according to claim 8, wherein the position detecting photodetector comprises at least two parting lines for equally dividing the light receiving area, and wherein the relation:

$$\sin^{-1}(D/L1) < |\theta| < \alpha - \sin^{-1}(D/L1)$$

is satisfied, where D represents the width of the parting lines, α represents the angle formed by the parting lines, and θ represents the angle formed by the parting lines and the major axis of the spot shape.